

## REVIEW

- 591 Strategies to Prevent EBV Reactivation and Posttransplant Lymphoproliferative Disorders (PTLD) after Allogeneic Stem Cell Transplantation in High-Risk Patients**

*Nishitha Reddy, Katayoun Rezvani, A. John Barrett, Bipin N. Savani*

## BIOLOGY

- 598 Blood Dendritic Cells Suppress NK Cell Function and Increase the Risk of Leukemia Relapse after Hematopoietic Cell Transplantation**

*Antonio Perez-Martinez, Rekha Iyengar, Kwan Gan, Thirachit Chotsampancharoen, Barbara Rooney, Marti Holladay, Manuel Ramirez, Wing Leung*

- 608 Effects of Sublethal Irradiation on Patterns of Engraftment after Murine Bone Marrow Transplantation**

*Jacob Andrade, Shundi Ge, Goar Symbatyan, Michael S. Rosol, Arthur J. Olch, Gay M. Crooks*

- 620 The Pentostatin Plus Cyclophosphamide Nonmyeloablative Regimen Induces Durable Host T Cell Functional Deficits and Prevents Murine Marrow Allograft Rejection**

*Jacopo Mariotti, Justin Taylor, Paul R. Massey, Kaitlyn Ryan, Jason Foley, Nicole Buxhoeveden, Tania C. Felizardo, Shoba Amarnath, Miriam E. Mossoba, Daniel H. Fowler*

## CLINICAL RESEARCH

- 632 Humoral and Cellular Immunity to Primary H1N1 Infection in Patients with Hematologic Malignancies following Stem Cell Transplantation**

*Paula Garland, Hugues de Lavallade, Takuya Sekine, Katja Hoschler, Shiranee Sriskandan, Parind Patel, Stephen Brett, Kate Stringaris, Eva Loucaides, Katherine Howe, David Marin, Ed Kanfer, Nichola Cooper, Donald Macdonald, Amin Rahemtulla, Mark Atkins, Akila Danga, Dragana Milojkovic, Ian Gabriel, Ahmad Khoder, Abdullah Alsuliman, Jane Apperley, Katayoun Rezvani*

- 640 One-Antigen Mismatched Related versus HLA-Matched Unrelated Donor Hematopoietic Stem Cell Transplantation in Adults with Acute Leukemia: Center for International Blood and Marrow Transplant Research Results in the Era of Molecular HLA Typing**

*David Valcárcel, Jorge Sierra, Tao Wang, Fangyu Kan, Vikas Gupta, Gregory A. Hale, David I. Marks, Philip L. McCarthy, Machteld Oudshoorn, Effie W. Petersdorf, Olle Ringdén, Michelle Setterholm, Stephen R. Spellman, Edmund K. Waller, James L. Gajewski, Susana R. Marino, David Senitzer, Stephanie J. Lee*

- 649 Individualized Intervention Guided by BCR-ABL Transcript Levels after HLA-Identical Sibling Donor Transplantation Improves HSCT Outcomes for Patients with Chronic Myeloid Leukemia**

*Xiao-Jun Huang, Lan-Ping Xu, Kai-Yan Liu, Dai-Hong Liu, Huan Chen, Yan-Rong Liu, Yu-Hong Chen, Wei Han, Yu Wang*

- 657**     **Therapy of Sclerodermatous Chronic Graft-Versus-Host Disease with Mammalian Target of Rapamycin Inhibitors**  
*Zuzana Jedlickova, Irina Burlakova, Gesine Bug, Herrad Baurmann, Rainer Schwerdtfeger, Michael Schleuning*
- 664**     **An International Comparison of Current Strategies to Prevent Herpesvirus and Fungal Infections in Hematopoietic Cell Transplant Recipients**  
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- 674**     **Acute Kidney Injury in Patients with Systemic Sclerosis Participating in Hematopoietic Cell Transplantation Trials in the United States**  
*Chitra Hosing, Richard Nash, Peter McSweeney, Shin Mineishi, James Seibold, Linda M. Griffith, Howard Shulman, Ellen Goldmuntz, Maureen Mayes, Chirag R. Parikh, Leslie Crofford, Lynette Keyes-Elstein, Daniel Furst, Virginia Steen, Keith M. Sullivan*
- 682**     **CTLA-4 Blockade following Relapse of Malignancy after Allogeneic Stem Cell Transplantation Is Associated with T Cell Activation But Not with Increased Levels of T Regulatory Cells**  
*Jiehua Zhou, Asad Bashey, Ruikun Zhong, Sue Corringham, Karen Messer, Minya Pu, Wenxue Ma, Theresa Chut, Robert Soiffer, Rachel C. Mitrovich, Israel Lowy, Edward D. Ball*
- 693**     **Early CMV Viremia Is Associated with Impaired Viral Control following Nonmyeloablative Hematopoietic Cell Transplantation with a Total Lymphoid Irradiation and Antithymocyte Globulin Preparative Regimen**  
*Joanna M. Schaenman, Sumana Shashidhar, Chanu Rhee, Jonathan Wong, Shelly Navato, Ruby M. Wong, Dora Y. Ho, Sally Arai, Laura Johnston, Janice M. Brown*
- 703**     **Evaluating the Impact of Antithymocyte Globulin on Lung Function at 1 Year after Allogeneic Stem Cell Transplantation**  
*Filippo Milano, Margaret A. Au, Michael J. Boeckh, H. Joachim Deeg, Jason W. Chien*
- 710**     **Platelet and Red Blood Cell Utilization and Transfusion Independence in Umbilical Cord Blood and Allogeneic Peripheral Blood Hematopoietic Cell Transplants**  
*Melhem Solh, Claudio Brunstein, Shanna Morgan, Daniel Weisdorf*
- 717**     **Fludarabine-Based Conditioning Chemotherapy for Allogeneic Hematopoietic Stem Cell Transplantation in Acquired Severe Aplastic Anemia**  
*Hazzaa Al-Zahrani, Amr Nassar, Fahad Al-Mohareb, Fahad Al-Sharif, Said Mohamed, Khalid Al-Anazi, Moosa Patel, Walid Rasheed, Abu Jafar Mohammed Saleh, Mahmoud Bakr, Shad Ahmed, Khalid Ibrahim, Fazal Hussain, Naser Elkum, Tusneem Elhassan, Zubeir Nurgat, Naeem Chaudhri, Mahmoud Aljurf*

**723 Unrelated Donor Bone Marrow Transplantation for Myelodysplastic Syndrome in Children**

*Paul Woodard, Paul A. Carpenter, Stella M. Davies, Thomas G. Gross, Wensheng He, Mei-Jie Zhang, Biljana N. Horn, David A. Margolis, John P. Perentesis, Jean E. Sanders, Kirk R. Schultz, Adriana Seber, William G. Woods, Mary Eapen*

**729 Cost and Clinical Analysis of Autologous Hematopoietic Stem Cell Mobilization with G-CSF and Plerixafor Compared to G-CSF and Cyclophosphamide**

*Paul Shaughnessy, Miguel Islas-Ohlmayer, Julie Murphy, Maureen Hougham, Jill MacPherson, Kurt Winkler, Matthew Silva, Michael Steinberg, Jeffrey Matous, Sheryl Selvey, Michael Maris, Peter A. McSweeney*

**737 Childhood Obesity and Outcomes after Bone Marrow Transplantation for Patients with Severe Aplastic Anemia**

*Collin C. Barker, Manza-A. Agovi, Brent Logan, Hillard M. Lazarus, Karen K. Ballen, Vikas Gupta, Gregory A. Hale, Haydar Frangoul, Vincent Ho, J. Douglas Rizzo, Marcelo C. Pasquini on behalf of the Regimen-Related Toxicity Writing Committee, Center for International Blood and Marrow Transplant Research*

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**BRIEF ARTICLES**

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**745 microRNA Methylation Profile Has Prognosis Impact in Acute Lymphoblastic Leukemia Patients Undergoing Stem Cell Transplantation**

*Vanesa Martín-Palanco, Guillermo Rodríguez, Carmen Martín, Rafael Rojas, Antonio Torres, José Román-Gómez*

**749 25-Hydroxy Vitamin D Deficiency Following Pediatric Hematopoietic Stem Cell Transplant**

*Christine N. Duncan, Lynda Vrooman, Erin M. Apfelbaum, Katherine Whitley, Lori Bechard, Leslie E. Lehmann*

**754 5-Azacytidine as Salvage Treatment in Relapsed Myeloid Tumors after Allogeneic Bone Marrow Transplantation**

*Javier Bolaños-Meade, B. Douglas Smith, Steven D. Gore, Michael A. McDevitt, Leo Luznik, Ephraim J. Fuchs, Richard J. Jones*

**759 Positive Results of Serum Galactomannan Assays and Pulmonary Computed Tomography Predict the Higher Response Rate of Empirical Antifungal Therapy in Patients Undergoing Allogeneic Hematopoietic Stem Cell Transplantation**

*Yu Ji, Lan-ping Xu, Dai-hong Liu, Yu-hong Chen, Wei Han, Xiao-hui Zhang, Huan Chen, Yu Wang, Jing-zhi Wang, Kai-yan Liu, Xiao-jun Huang*

**765 *Helicobacter pylori* Infection and Graft-versus-Host Disease**

*Antonio Velasco Guardado, Lucía López-Corral, José A. Pérez-Simón, Teresa Caballero-Velázquez, Teresa Flores Corral, Dolores Caballero Barrigón, Antonio Rodríguez Pérez*

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**ERRATA**

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**770 Errata**